

THERE IS FACINATION IN THE SECRET CODES

The Case of Lord Mayor MacSwiney Recalls the Romance and Adventure Over the Cryptographic Systems—When Kings and Pawns Played the Game of International Intrigue—Robber Bands Had Codes.

(New York Sun)

The hunger strike of the Lord Mayor of Cork in prison, after his conviction of sedition and having had control of a British secret code, recalls the stories of bygone days when kings and pawns played the game of international intrigue.

The cipher was originally employed to shroud the contents of important communications in secrecy. This was necessary in the days when all letters were delivered by couriers.

Kings, diplomats, statesmen and military officials used cabalistic signs to render the text of their letters unintelligible to the courier should he be dishonest or to any one into whose hands the letters might fall. In the Middle Ages and until the latter part of the seventeenth century, correspondents wrote in foreign tongues, trusting to the ignorance of the messenger as ample protection against surreptitious prying into the contents.

As the world slowly became educated and affairs of powerful courts enlarged upon dangerous diplomatic negotiations, the art of cryptography became a profession. Each court employed several learned men to create new codes and to decipher old ones and those from alien countries. The French and Italian courts were noted for the ingenuity of their secret codes.

Telegraph Shortened Codes

Codes embodying the alphabet and numerals transposed into positions mutually agreed upon by correspondents although simple in conception, generally prove perplexing and are used for ordinary purposes. More important cryptograms are written in symbols or by mechanical means and are solved by the use of a key or keyword. State Departments of many countries spend big sums of money to perfect their codes, both diplomatic and commercial.

The invention of the telegraph in the latter part of the nineteenth century caused secrecy to be sacrificed for speed and brevity. Lengthy codes fell into the discard. Commercial codes were invented for bankers and merchants whereby from thirty to fifty words can be telegraphed in a cipher message of ten words.

The secret cipher codes of the State

Department at Washington were also modernized to suit the requirements of present day methods of communication. These codes are frequently changed to insure secrecy. When diplomatic officials travel abroad they are supplied with special codes and are pledged to destroy them when their safety is endangered.

In 1900 United States Minister Conger was imprisoned in Peking and our secret Government code figured in international transactions. China was accused of having obtained a copy of the United States secret cipher.

The ingenuity of secret codes in the underworld has opened a fascinating field of adventure to the novelist and criminologist. Secret ciphers of every description and for every purpose are created with uncanny cleverness by criminal brains to perpetrate their nefarious trades.

At Monte Carlo several years ago a band of criminals preyed upon pleasure seekers while communicating with each other under the eyes of the police who are famed for their vigilance. It was the keen eye of a student of criminology from the University of Vienna, who discovered and deciphered the signs chalked on the steps leading to the Casino. The cipher message gave the number of a hotel room which was raided, but the robbers had escaped with their plunder.

Code of Robber Bands

The White Wolves, a French criminal band, was frustrated in its attempt to rob a cathedral in northern France when a code message chalked upon a village wall was deciphered by an expert. The message acquainted the members of the robber band with the day of the robbery and the authorities were on hand to capture them.

Sir Conan Doyle uses a quaint code in his tale of the "Dancing Men." A number of little men drawn in outline formed the letters of the message which the famous Sherlock Holmes solved with ease. In "The Gold Bug," by Edgar Allan Poe, a cryptic pirate's plan of buried treasure was solved by associating the commonest letters in the alphabet with the ciphers that appeared most frequent.

The American hobo has an interesting code system well established among members of that fraternity. There are signs to indicate generous homes and symbols for houses where meals are obtained by work.

Gypsies in America also have means of secret communication. A shaded triangle near a house means the owner provided shelter for a night. A conspicuous elder twig indicates some member of the gypsy caravan is sick; a burnt elder twig and a wisp of straw means the man has died and a willow twig signifies a birth. Gypsies who tell astounding fortunes are known to have gathered their information from code messages left by preceding tribes.

BILL SHAREN EQUALLED HIS OWN RECORD

Continued from Page Three

(Steele). 2 6 5
Royal McKinney, gr. g., by Ohio
McKinney, L. R. Seeley, Fort
Fairfield Me., (Gerow). 4 3 3
Jeffrey, b. g., by Cabel, C. J.
Hansen, Presque Isle, Me.,
(Cameron). 6 5 5
Baton, b. g., by Bingara, A. M.
Nason, Houlton, Me., (Nevers) ds
Time by quarters:—
31¼, 1.03½, 1.35½, 2.11¼
32½, 1.04½, 1.37, 2.12½
32½, 1.05½, 1.39, 2.11½

In the Grandstand.

The Veterans' band again played yesterday. It also is to be on hand today.

It is to be hoped that the impression that events are "cooked" will not get abroad. In the past horse-racing in Fredericton received severe setbacks from that very thing.

The attendance was not much better than the first day. The weather was most summer-like but people evidently have been influenced by the bad weather of last week or else have had too much racing. An extra good attendance is required today to pull out even.

The old question of having the track run as part of the Exhibition with annual fairs, again is to the fore.

HAVE YOU RHEUMATISM? IF SO, TAKE VITAL TABLETS

Rheumatism is one of the most distressing ailments. We guarantee Vital Tablets will purify the blood. They attack uric acid and you will be benefited by taking Vital Tablets, the great French Tonic. They are a wonderful tonic. They build up the entire structure. No more tired feelings. In fact, Vital Tablets will put you on your feet. Just go to your druggist and get a box. Price 50c. or by mail. The Scobell Drug Co., Montreal.

Canada's Overseas Trade is \$2,351,000,000

Sea-borne \$1,046,000,000
Land-borne \$1,305,000,000

More than half this land-borne trade is ultimately sea-borne—but in Foreign Ships.

Every pound of Canadian products shipped from a port outside Canadian territory retards our maritime growth, weakens our national prosperity and places control of a part of our sea-borne commerce in the hands of a competitive nation.

The Navy League of Canada.

Government Convention

All Supporters of the Present Provincial Government are invited to Meet in Convention at the

Knights of Pythias Hall

QUEEN STREET, OPP. NORMAL SCHOOL, on

Saturday, September 25

At 2 O'CLOCK P. M.

To SELECT CANDIDATES for the LEGISLATIVE ASSEMBLY

ASA H. VAN WART,
President York County Government Executive.

AROUND THE WORLD ON A NICKEL TOUR

(By Sydney B. Cave.)

London, Sept. 16—America's "news-boy king," Sam Cole, of Dayton, Ohio, has reached London on his "round the world on a nickel" tour, coming here from Bergen, Norway.

Cole left Dayton in February, 1919, with five cents in his pocket, and has been living like a fighting cock ever since by selling picture post-cards of himself. He says his itinerary has so far included 31 American states and Canadian provinces; then Getherburg, Sweden; followed by Stockholm, Malmo, Copenhagen and Christiana. He says that's enough to satisfy him that he doesn't like European climate, and that he is now "going to winter in South America, where it's warm." He sails from Liverpool today, bound for Buenos Aires.

Later he will return to France and complete his tour of the Continent. After that comes Australia, and then a hop to the Far East. He expects to finish the tour somewhere between 1925 and 1927.

"The chief idea of this stunt," he said, "is to lay the foundations of an

INFLUENZA MAKES THE HAIR FALL OUT

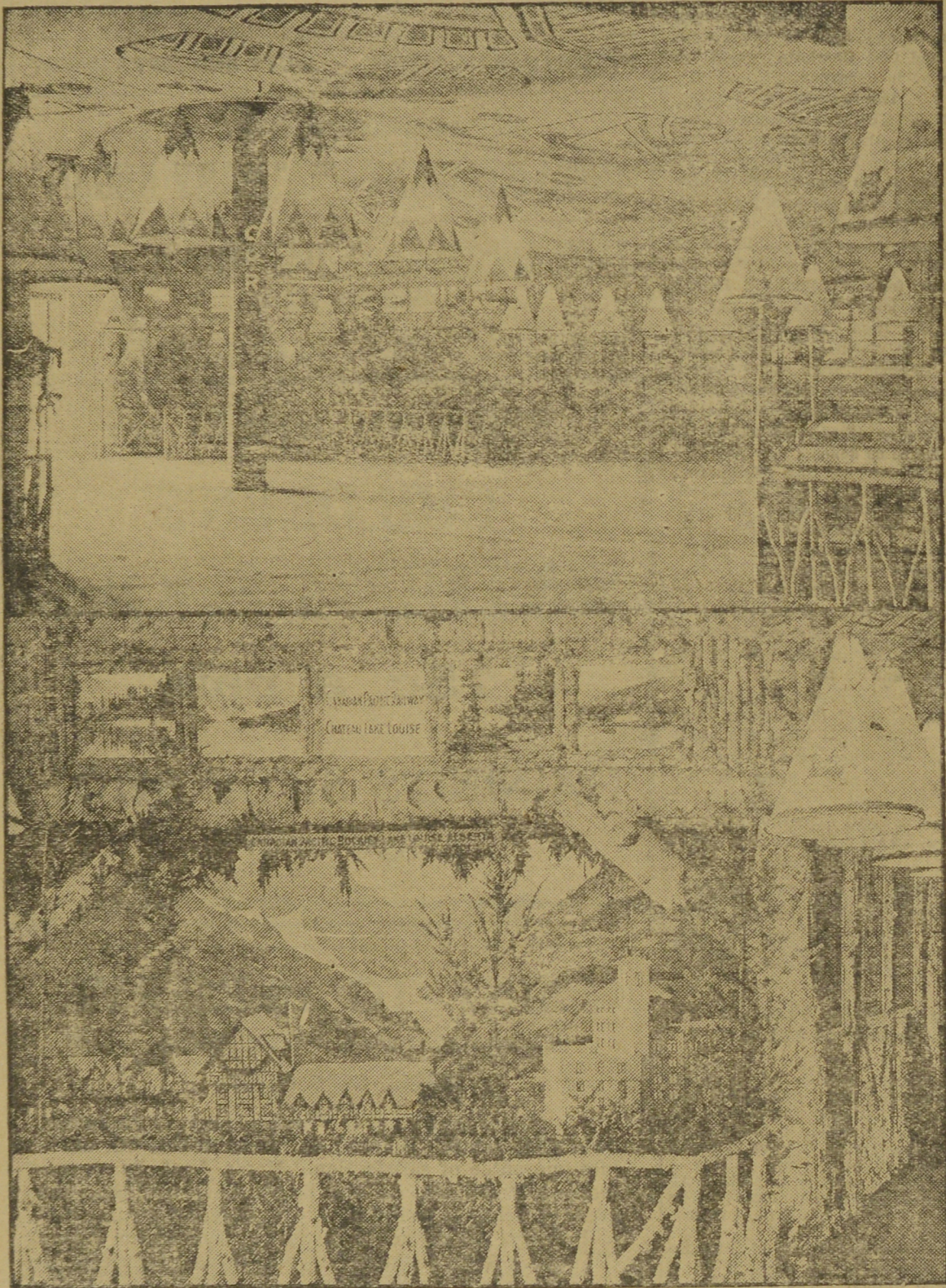
Delmay's French Hair Tonic Brings It Back.

BRINGS IT BACK

We do not say it will grow hair on a bald head, where the roots are dead, but in the case of the flu causing the hair to fall out, then Delmay's French Hair Tonic will bring it back, if it can be brought back. Where the hair has dropped out on account of sickness try Delmay's French Hair Tonic—it is daintily perfumed, and an ideal hair dressing. It feeds the roots, removes dandruff and makes the hair full of life. Price, \$1.00 a bottle. Sold at A. J. Ryan's drug store, Fredericton, A. W. Coombes' drug store, North Devon.

International newsboys association to be called the "League of United Newsboys." I expect to write about my experiences, and to use whatever money I can make from that and from this world trip to establish the League.

Cole is creating a sensation in London streets by wearing a tremendous Stetson, and carrying a two foot pencil (lead) an inch in diameter decorated with the Stars and Stripes. He uses it to autograph the postcards he sells at a quarter apiece. He also exhibits a portfolio crammed with letters signed by American and Canadian governors, that of Mr. Cox, the democratic nominee being among them.



Toronto can always count on the C.P.R. to provide a unique and attractive exhibit for the Toronto Fair, and this year if anything the C.P.R. Exhibit has surpassed all previous records for originality and artistic execution. In order to visualize the romance as well as the majestic scenery of the Canadian Pacific Rockies, a Sun Dance Lodge based upon a Stony Indian model has been reconstructed and decorated with Indian relics and sporting trophies—fine heads and priceless skins. The Exhibit is under the direction of Mr. Norman Luxton, editor of the "Crag and Canyon" of Banff, who has spent most of his life on the trails and passes of the Rockies, camping, fishing and hunting, and who is also an authority on Indian art. He is assisted by his wife, daughter of the late Rev. John McDougall, one of the earliest missionaries in Western Canada, and herself the first white woman born in Alberta.

The first thing noticed on entering the C.P.R. Exhibit is the huge Sun Burst which throws its rays around the giant Lodge in which are garnered the side scenes portraying in miniature form some of the gorgeous settings which none but the Canadian Pacific Rockies can produce. The roof of the Indian Lodge is painted with symbolic designs and signs typical of the Rocky and Plains Indians. The side scenes are finished in white birch, the bark of which was always a favorite with the Indian not only for the construction of his canoe but for the building of

a camp fire. On each side of the entrance, office accommodation has been worked into the setting where information of every description can be obtained and telegraph service is also installed. This has the tepee finish and real Indian tepee poles transported from the West for the purpose have been used. The lighting effect of these interiors with miniature Indian tepees as shades produces an effect of entrancing beauty.

The scene from Sulphur Mountain overlooking Banff Springs Hotel in the foreground, and the beautiful Rundle and Tunnel Mountains, and the stretch of the Bow River in the background is highly realistic. A fine model of the C.P.R.'s famous hostelry built specially for the occasion is shown electrically illuminated and gives the visitor the impression that he is paying a visit to Banff instead of sweltering under the atmosphere of an exhibition. The Banff Hot Springs, famous for their health giving qualities were known to the Red men long years ago and accidentally discovered by some engineers when surveying for the C.P.R. The huge swimming tank hidden from the view, but situated directly in front of the hotel has a depth of water of from three to eight feet, and is one of the great summer attractions. The Bow River scene in the back of the picture reminds one of an opal with its pale green color, and its ever changing fires. The scene cannot be eclipsed for grandeur, although Lake Louise depicted on the other side of the tent certainly gives it a close run-

ning. This panorama is the representation of what meets the eye of the tourist looking for the grandeur of Lake Louise from almost any spot behind the Chateau with a glimpse of the wonderful lake and gigantic glacier and mountains in the rear. The Victoria Glacier which forms the background feeds the lake which is shown by real water, while the towering peaks of Mount Lefroy and Mount Aberdeen are observed in the distance. The frieze of Indian decorations and the magnificent transparencies lend a perfect finish to the whole Sun Dance Lodge effect. The remaining sides of the "Lodge" are of typical white birch interspersed with panelling of real Indian mats made from cedar bark, and there are many reproductions in miniature of the famous Totem poles from Alert Bay. There is also on exhibition a very valuable collection of Indian relics from the West Coast, all of which are original, and many over a hundred years old. They include eating and cooking utensils made of wood and whalebone, bows and arrows, coffins and tom-toms, cedar chests and model Indian houses. The illumination effect is perfect comprising some five hundred lights. The panoramas were executed by Mr. Hal Ross Perrigard, assisted by Mr. A. Robinson, and the decorations by Mr. Perrigard assisted by Mr. James Crockett, all Canadian. The models were made by Henry Morgan & Co. of Montreal. The C.P.R. Exhibit is not only an historical representation but educational from every viewpoint.